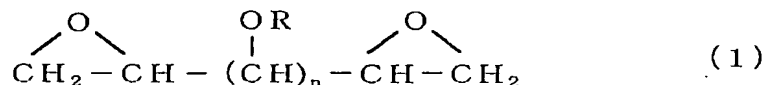
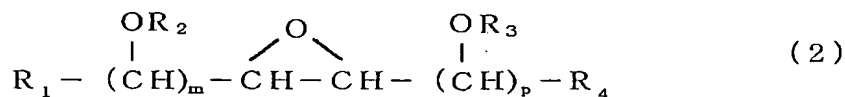


ABSTRACT OF THE DISCLOSURE

The hyperbranched polymers are at least one anhydrosugar-related compound selected from the dianhydrosugar alcohol [1]:



(wherein R is hydrogen atom or a hydrocarbon group having from 1 to 30 carbon atoms, provided that nR's are equal to or different from one another and at least one R of nR's is hydrogen atom, and symbol n is an integer from 1 to 10) and the anhydrosugar alcohol [2]:



(wherein each of R₁, R₂, R₃ and R₄ is hydrogen atom or a hydrocarbon group having from 1 to 30 carbon atoms; provided that R₁, mR₂'s, pR₃'s and R₄ are equal to or different from one another and at least one R₂ or R₃ of said mR₂'s and pR₃'s is hydrogen atom, respectively; and symbol m is zero (0) or an integer from 1 to 20 and symbol p is an integer from 1 to 20, provided that symbol m+p is an integer from 1 to 20)

or at least one anhydrosugar-related compound selected from the dianhydrosugar alcohol [1] and/or the anhydrosugar alcohol [2] with at least one sugar compound selected from the anhydrosugar as represented by the general formula [3], [4], [5], [6] or [7].

The hyperbranched polymers are readily prepared by polymerizing the dianhydrosugar alcohol or the anhydrosugar [1] or [2] or the dianhydrosugar alcohol or the anhydrosugar [1] or [2] together with the anhydrosugar in the presence of a cationic or anionic initiator.